

Recovery Plan Action Status

Plan Name: Final Pecos Sunflower Recovery Plan

Plan Status: Final

Plan Date: 15-Sep-05

Lead Agency: USFWS

Lead Office: New Mexico Ecological Services Field Office

(505)

346-2525)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	1.1	Prioritize core conservation areas	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico	Management: Planning	Species Expert	Includes minimum size determination
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	1.2	Prioritize isolated stands	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico	Acquisition: Exchange, Acquisition: Fee Title	Species Expert	Includes minimum size determination
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	1.3	Contact Landowners	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, The Nature Conservancy, State of New Mexico	Other: Information and Education	Internal Technical Assistance	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.1	Identify water rights and aquifer trends	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico	Management: Habitat Maintenance and Manipulation	Internal Technical Assistance	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.2	Phenology studies	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico	Work type not yet selected	Labor type not yet selected	Partially accomplished by TX
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.3	Study habitat substrates	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico	Work type not yet selected	Labor type not yet selected	Partially accomplished by TX
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.4	Prescribed fire studies	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico, Bureau Land Management	Work type not yet selected	Labor type not yet selected	Already begun in TX and NM

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.5	Livestock grazing studies	Partially Complete	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, The Nature Conservancy	Research: Predation	Species Expert	Already begun at Diamond Y Ranch
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.6	Soil disturbance studies	Partially Complete	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, The Nature Conservancy	Work type not yet selected	Species Expert	Already begun at Diamond Y Ranch
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.7	Identify exotic plant infestations	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, State of New Mexico	Work type not yet selected	Internal Technical Assistance	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	2.8	Search for new populations	Ongoing Current	FY 2007		State of Texas, State of New Mexico, Bureau Land Management	Research: Population Surveys	Species Expert	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1	Management plans for future preserves	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, State of New Mexico	Management: Planning	Species Expert	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1.1	Bitter Lake Refuge management plan	Partially Complete	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Fish and Wildlife Service, Refuge Division	Work type not yet selected	Labor type not yet selected	Under development
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1.2	BLM (Lloyd's Canyon) management plan	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Bureau Land Management	Work type not yet selected	Labor type not yet selected	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1.3	Overflow Wetland ACEC management plans	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Bureau Land Management	Work type not yet selected	Labor type not yet selected	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	3	3.1.4	Dexter Fish Hatchery management plan	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Fish and Wildlife Service, Fish Hatcheries	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1.5	Diamond Y Spring Preserve management plan	Ongoing Current	FY 2005		The Nature Conservancy	Work type not yet selected	Labor type not yet selected	Accomplished in 2005
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1.6	Sandia Spring Preserve management plan	Ongoing Current	FY 2005		The Nature Conservancy	Work type not yet selected	Labor type not yet selected	Accomplished in 2005
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.1.7	La Joya Waterfowl Management Area management plan	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, State of New Mexico	Management: Planning	Species Expert	
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.2.1	Protect core habitat and isolated stands in Santa Rosa region	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of New Mexico	Work type not yet selected	Labor type not yet selected	Blue Hole Cienega offered for sale by landowner and purchase is pending. FY 07 Cost: TBD
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.2.2	Protect core habitat and isolated stands in West-Central New Mexico	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, State of New Mexico	Management: Planning	Species Expert	La Joya population on State Lands. Isolated stands on private lands need protection. FY 07 Cost: TBD
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.2.3	Protect additional core habitat (if needed) and isolated stands in Roswell/Dexter region	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of New Mexico	Work type not yet selected	Labor type not yet selected	FY 07 Cost: TBD
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.2.4	Protect core habitat and isolated stands in west Texas region	Partially Complete	FY 2005		The Nature Conservancy	Work type not yet selected	Labor type not yet selected	Habitat acquired, source aquifer protection remains an issue.
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	2	3.3	Monitor management actions and easements	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Ecological Services Division, The Nature Conservancy, State of New Mexico, U.S. Fish and Wildlife Service, Refuge Division, U.S. Fish and Wildlife Service, Fish Hatcheries	Management: Land Use	Species Expert	Perpetual

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Pecos (=puzzle, =paradox) sunflower (Helianthus paradoxus)	1	3.4	Familiarize owners of Pecos sunflower habitats on Federal laws and regulations	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service, Ecological Services Division, State of Texas, National Park Service, State of New Mexico, Bureau Land Management , Corps of Engineers	Other: Information and Education	Internal Technical Assistance	COE 404 Permits